MATH 125 – Calculus I,  Fall 2015
Section 1,  MWF 9:00am–9:50am in Modern Languages 312

Instructor: Nikola Kamburov  
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Office: Mathematics 319  
Office Hours: M 10-11am, T 1:30-2:30pm
and T 2:30-3:30pm at ThinkTank (Bear Down)

Course Webpage: http://math.arizona.edu/~kamburov/Math125_F15
Calculus at U of A: http://math.arizona.edu/~calc

General Information

Course Description: Math 125 is an introduction to calculus with an emphasis on understanding and problem solving. Concepts are presented graphically and numerically as well as algebraically. Elementary functions, their properties and uses in modeling; the key concepts of derivative and definite integral; techniques of differentiation, using the derivative to understand the behavior of functions; applications to optimization problems in physics, biology and economics.

Prerequisites: Appropriate Math Placement Level or Proctored/Prep for Calculus 90+ or MATH 125.

Text: Calculus: Single Variable, Sixth Edition by Hughes-Hallett et al. published by Wiley. The computer grading program, WebAssign, includes an electronic version of the text (see more below).

Calculators: The TI-83 or TI-84 models are recommended. Calculators that perform symbolic manipulations, such as the TI-89, NSpire CAS, or HP50g, cannot be used.

Communication with students: It is the student’s responsibility to keep informed of any announcements, syllabus adjustments or policy changes made during scheduled classes, posted on the course webpage or sent by email.

Attendance/Administrative Drops: Students are expected to attend every scheduled class. Those who miss the first two class meetings may be administratively dropped unless they have made other arrangements. Please note the following:

- All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion.
- Absences pre-approved by the UA Dean of Students (or Dean’s designee) will be honored.

It is the student’s responsibility to notify the instructor in advance of an absence related to religious observation or an activity for which a Dean’s excuse has been granted, and to arrange for how any missed work will be handled.

Expected Classroom Behavior: Students should turn off all electronic devices during class unless the device is deemed necessary for the class by the instructor. This includes, but is not limited to cell phones, mp3 players and laptops. If you have a disability-related accommodation that involves the use of a computer during class, please discuss this with your instructor in advance.

Homework (100 points): Homework will be submitted in two formats throughout the semester.

A computer grading program called WebAssign will be used for problems assigned from the text. To create a WebAssign account, go to http://webassign.net, click on the Class Key button. Our class key is

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There is a 14-day grace period (from the first day of classes) before you must purchase/submit your access code for this class. Each time you log-in, you will see a reminder.

Hand-written homework will also be submitted and it will target the student’s ability to write out clear, coherent arguments in proper notation.
• There will be about 10 hand-written problem assignments, to be collected at the beginning of class (on due dates TBD). Selected problems will be graded for accuracy and not effort.
• Late homework will not be accepted. Instead, the lowest PSet score will be dropped at the end of the semester.
• Your solutions should be legible, with pages stapled together and with your name and class section written on top of each page. Solitary correct answers will be considered meaningless without a well-presented explanation of the steps leading to it.
• Some weeks in-class quizzes may be given instead of written assignments (those will be announced in advance). No calculators will be allowed on the quizzes.

A final homework score based on 100 possible points (60% WebAssign vs. 40% Written HW/Quizzes) will be assigned.

In-Class Exams (400 points): The four in-class exams are tentatively scheduled for Monday, September 14; Monday, October 12; Friday, November 6; and Friday, December 4. Each exam will be worth 100 points. All electronic devices must be turned off during all exams. In general, there will be no make-up exams in the course. However, in complex and unusual circumstances which are beyond your control, a make-up exam may be given on a case-by-case basis. This will require providing a detailed account of the situation and supporting documents. Approval in these cases is at the sole discretion of the instructor and/or the dean of students.

Final Exam (200 points): The final exam is a comprehensive common department exam. It is scheduled for Tuesday, December 15 from 1:00-3:00 pm. Additional information and a study guide can be found at http://math.arizona.edu/~calc. The University’s Exam regulations for final exam week will be strictly followed (see http://www.registrar.arizona.edu/schedule101/exams/examrules.htm).

Grades: Grades will be determined by a percentage of the 700 total possible points in the course. Grades will be no lower than those set forth in the scale below:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89%</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79%</td>
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<tr>
<td>D</td>
<td>60 – 69%</td>
</tr>
<tr>
<td>E</td>
<td>0 – 59%</td>
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</tbody>
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Please note the following: A grade of C or better in Math 125 or 122B is a necessary prerequisite for Math 129 (Calculus II). Students who receive a D in Math 125 or 122B will receive credit for the course towards graduation requirements, and will be able to use their course for the general education math requirement, but will not be automatically qualified to register for Math 129.

A grade of I (Incomplete) will be given only at the instructor’s discretion, according to University Policy as described at http://www.registrar.arizona.edu/grade/grade/i.htm

Withdrawals: If you withdraw from the course by September 6, the course will remain on your UAccess academic record with a status of dropped, but will not appear on your transcript. If you withdraw from the course between September 7 and November 1, you will receive a grade of W. The University allows withdraws after November 1 through November 20, but only with the Instructors permission and Deans signature. Late withdraws will be dealt with on a case by case basis, and requests for late withdraw with a W without a valid reason may or may not be honored.

Accessibility and Accommodations: It is the University’s goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let your instructor know immediately so that you can discuss options. You are also welcome to contact Disability Resources (520-621-3268; drc.arizona.edu) to establish reasonable accommodations. Please be aware that the accessible table and chairs in the classroom should remain available for students who find that standard classroom seating is not usable.

Academic Integrity and Student Code of Conduct: Students are responsible to inform themselves of and to observe the University policies regarding the Code of Academic Integrity and the Student Code of Conduct, as outlined in http://math.arizona.edu/~kamburov/Math125_F15/UA_Integrity.pdf